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By:

Nancy Foster

IDS Form PTO/SB/08: Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	09/631,613
Filing Date	August 4, 2000
First Named Inventor	Holly HOGREFE et al.
Art Unit	1637
Examiner Name	C. WILDER
Attorney Docket Number	04121.0116-07000

Sheet 1 of 5

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CW		US-4,376,110	03-08-1983	David et al.	
		US-4,683,202	07-28-1987	Mullis	
		US-4,795,699	01-03-1989	Tabor et al.	
		US-4,873,192	10-10-1989	Kunkel	
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		US-4,946,786	08-07-1990	Tabor et al.	
		US-5,001,050	03-19-1991	Blanco et al.	
		US-5,073,632	12-17-1991	Donovan et al.	
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		US-5,079,352	01-07-1992	Gelfand et al.	
		US-5,210,036	05-11-1993	Comb et al.	
		US-5,262,529	11-16-1993	Dryja et al.	
		US-5,310,652	05-10-1994	Gelfand et al.	
		US-5,322,785	06-21-1994	Comb et al.	
		US-5,352,778	10-04-1994	Comb et al.	
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		US-5,489,523	02-06-1996	Mathur	
		US-5,500,363	03-19-1996	Comb et al.	
		US-5,512,462	04-30-1996	Cheng	
		US-5,534,407	07-09-1996	Tabor et al.	
		US-5,545,552	08-13-1996	Mathur	
		US-5,618,702	04-08-1997	Scanlon	
		US-6,333,165 B1	12-25-2001	Hogrefe	
		US-6,379,553 B1	04-30-2002	Hogrefe	

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CW		US-6,410,277 B1	06-25-2002	Barnes	
CW		US-6,444,428 B1	09-03-2002	Hogrefe	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Copy End.*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
	Y		DE 106 42770 A1	10-02-1997	Boehringer Mannheim GmbH		
CW	Y		EP 0 265 293 B1	04-27-1988	President and Fellows of Harvard College		
	Y		EP 0 386 857 B1	09-12-1990	President and Fellows of Harvard College		
	Y		EP 0 416 755 A1	03-13-1991	Life Technologies Inc.		
	Y		EP 0 502 589 A2	09-09-1992	F. Hoffman-LaRoche AG		
	Y		EP 0 870 832 A1	10-14-1998	Takara Shuzo Co. Ltd.		
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	Y		WO 89/06691 A2	07-27-1989	Cetus Corporation		
	Y		WO 91/02090 A1	02-21-1991	Promega Corporation		
	Y		WO 92/06188 A2	04-16-1992	Barnes		
	Y		WO 92/06200 A1	04-16-1992	Cetus Corporation		
	Y		WO 92/09689 A1	06-11-1992	Stratagene		
	Y		WO 94/26766 A A1	11-24-1994	Barnes		
	Y		WO 97/37038 A1	10-09-1997	Boehringer Mannheim GmbH		Abstract only
	Y		WO 98/42860 A1	10-01-1998	Stratagene		
	Y		WO 99/00506 A1	01-07-1999	Takara Shuzo Co., Ltd.		Abstract only
	Y		WO 01/09347 A2	02-08-2001	Stratagene		
	Y		WO 01/09347 A3	02-08-2001	Stratagene		
	Y		WO 01/16333 A1	03-08-2001	Stratagene		

NON PATENT LITERATURE DOCUMENTS					Translation ⁶
Examiner Initials	Copy End.*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
CW	N		Albrecht et al., Swiss-Pat accession number Q01034, April 1, 1993.		
CW	Y		Anonymous, "Recombinant Vent ₁ TM DNA Polymerase," <i>The Neb Transcript</i> , Vol. 3, No. 1, page 4 (1991).		
CW	Y		Attachment for 20XSSC - cDNA Hybridization protocol using GeneTac Hybridization Unit		

* Copies that are not enclosed were previously submitted by the applicants or cited by the Examiner or are U.S. Patents or published applications.

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NON PATENT LITERATURE DOCUMENTS					
CW	Y		Baker et al., "Polymerases and the replisome: machines within machines," <i>Cell</i> , 92:295-305, 1998.		
	Y		Barnes, "The fidelity of <i>Taq</i> polymerase catalyzing PCR is improved by an N-terminal deletion," <i>Gene</i> , 112: 29-35 (1992).		
	N		Bork, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <i>Genome Research</i> , 10:398-400 (2000).		
	Y		Branden et al., <i>Introduction to Protein Structure</i> , Garland Publishing Inc., New York, page 247 (1991).		
	N		Broun et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," <i>Science</i> , 282:1315-1317 (1998).		
	N		Bult et al., PIR accession number D64437, September 13, 1996.		
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	Y		Cheng et al., "Effective amplification of long targets from cloned inserts and human genomic DNA," <i>Proc. Natl. Acad. Sci. USA</i> , 91:5695-5699 (1994).		
	Y		Clark et al. "Novel blunt-end addition reactions catalyzed by DNA Polymerase I of <i>Escherichia coli</i> ," <i>J. Mol. Biol.</i> , 198:123-127 (1987).		
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	Y		Deng et al., "Site-directed mutagenesis of virtually any plasmid by eliminating a unique site," <i>Anal. Bioch.</i> , 200:81-88 (1992).		
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	N		Gadsden et al., Swiss-Prot accession number P33317, February 1, 1994.		
	Y		Guo et al., "Protein tolerance to random amino acid change," <i>PNAS</i> , 101:9205-9210 (2004)		
	Y		Hall et al., "A rapid and efficient method for site-directed mutagenesis by PCR, using biotinylated universal primers and streptavidin-coated magnetic beads," <i>Prot. Eng.</i> , 4(5):601 (1991).		
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	Y		Ho et al. "Site-directed mutagenesis by overlap extension using the polymerase chain reaction," <i>Gene</i> , 77(1):51-59 (1989).		
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	Y		Huang et al., "DNA polymerase C of the thermophilic bacterium <i>Thermus aquaticus</i> : classification and phylogenetic analysis of the family C DNA polymerases," <i>J Mol. Evol.</i> , 48:756-69 (1999).		
	Y		Hultman et al., "Solid phase <i>in vitro</i> mutagenesis using plasmid DNA template," <i>Nucl. Acids Res.</i> , 18(17):5107-5111 (1990).		
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	Y		Jones et al., "DNA mutagenesis and recombination," <i>Nature</i> , 344:793-794 (1990).		
	Y		Jones et al., "Recombinant circle PCR and recombination PCR for site-specific mutagenesis without PCR product purification," <i>BioTechniques</i> , 12(4):528-533 (1992).		

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				Art Unit	1637
				Examiner Name	C. WILDER
Sheet	4	of	5	Attorney Docket Number	04121.0116-07000

NON PATENT LITERATURE DOCUMENTS					
CW	Y				
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	Y		Kellog et al., "TaqStart Antibody™: 'Hot start' PCR facilitated by a neutralizing monoclonal antibody directed against <i>Taq</i> DNA polymerase," <i>BioTechniques</i> , 16:1134-1137 (1994).		
	Y		Kennell, "Principles and practices of nucleic acid hybridization," <i>Prog. Nucl. Acid. Res. Mol. Biol.</i> 11:259-301 (1971).		
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	Y		Kristjansson, <i>Thermophilic Bacteria</i> , CRC Press, Inc. (1992).		
	Y		Kunkel, "Rapid and efficient site-specific mutagenesis without phenotypic selection," <i>Proc. Natl. Acad. Sci. USA.</i> , 82:488-492 (1985).		
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	Y		Lawyer et al., "High-level expression, purification, and enzymatic characterization of full-length <i>Thermus aquaticus</i> DNA polymerase and a truncated form deficient in 5' to 3' exonuclease activity," <i>PCR Meth. and Appl.</i> , 2:275-87 (1993).		
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	Y		Perrino et al., "Hydrolysis of 3'-terminal mispairs in vitro by the 3'→5' exonuclease of DNA polymerase δ permits subsequent extension by DNA polymerase α," <i>Biochem.</i> , 29: 5226-5231 (1990).		
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	Y		Vallette et al., "Construction of mutant and chimeric genes using the polymerase chain reaction," <i>Nucleic Acids Research</i> , 17(2):723-733 (1989).		
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	Y		Zhu et al. "The use of exonuclease III for polymerase chain reaction sterilization," <i>Nucl. Acids Res.</i> , 19(9):2511 (1991).		
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	Y		Amendment filed June 9, 2006, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.		
	Y		Office Action mailed August 24, 2006, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.		
	Y		Office Action mailed June 2, 2006, in U.S. Patent Application No. 10/738,917, filed December 16, 2003.		

Examiner Signature	/Cynthia Wilder/	Date Considered	01/09/2007
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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